Joonwhoan Lee Lee

List of Publications by Year
in descending order

55	1,290	430874	395702
papers	citations	18	33
		h-index	g-index

56	56	56	891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geometric Feature-Based Facial Expression Recognition in Image Sequences Using Multi-Class AdaBoost and Support Vector Machines. Sensors, 2013, 13, 7714-7734.	3.8	219
2	Fuzzy-connective-based hierarchical aggregation networks for decision making. Fuzzy Sets and Systems, 1992, 46, 11-27.	2.7	99
3	Fuzzy-set-based hierarchical networks for information fusion in computer vision. Neural Networks, 1992, 5, 335-350.	5.9	97
4	Facial expression recognition based on local region specific features and support vector machines. Multimedia Tools and Applications, 2017, 76, 7803-7821.	3.9	97
5	Deep learning-based late fusion of multimodal information for emotion classification of music video. Multimedia Tools and Applications, 2021, 80, 2887-2905.	3.9	81
6	A DNN-based semantic segmentation for detecting weed and crop. Computers and Electronics in Agriculture, 2020, 178, 105750.	7.7	61
7	A 3-D Atrous Convolution Neural Network for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5701-5715.	6.3	60
8	Recognition of facial expressions based on salient geometric features and support vector machines. Multimedia Tools and Applications, 2017, 76, 7921-7946.	3.9	52
9	A Robust Face Detection Method Based on Skin Color and Edges. Journal of Information Processing Systems, 2013, 9, 141-156.	0.9	52
10	Nonlinear transfer function-based local approach for color image enhancement. IEEE Transactions on Consumer Electronics, 2011, 57, 858-865.	3.6	43
11	Deep-Learning-Based Multimodal Emotion Classification for Music Videos. Sensors, 2021, 21, 4927.	3.8	37
12	An Instance Segmentation Model for Strawberry Diseases Based on Mask R-CNN. Sensors, 2021, 21, 6565.	3.8	37
13	Classification of apple leaf conditions in hyper-spectral images for diagnosis of Marssonina blotch using mRMR and deep neural network. Computers and Electronics in Agriculture, 2018, 148, 179-187.	7.7	34
14	A study of the emotional evaluation models of color patterns based on the adaptive fuzzy system and the neural network. Color Research and Application, 2002, 27, 208-216.	1.6	26
15	Improved Vision-Based Detection of Strawberry Diseases Using a Deep Neural Network. Frontiers in Plant Science, 2020, 11, 559172.	3.6	26
16	An Efficient Residual Learning Neural Network for Hyperspectral Image Superresolution. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1240-1253.	4.9	21
17	An Adaptive Histogram Equalization Based Local Technique for Contrast Preserving Image Enhancement. International Journal of Fuzzy Logic and Intelligent Systems, 2015, 15, 35-44.	1.1	20
18	Visual Object Detector for Cow Sound Event Detection. IEEE Access, 2020, 8, 162625-162633.	4.2	19

#	Article	IF	Citations
19	A Deep Learning-Based Generalized System for Detecting Pine Wilt Disease Using RGB-Based UAV Images. Remote Sensing, 2022, 14, 150.	4.0	19
20	Audio feature reduction and analysis for automatic music genre classification. , 2014, , .		17
21	Importance of audio feature reduction in automatic music genre classification. Multimedia Tools and Applications, 2016, 75, 3013-3026.	3.9	16
22	Color Image Enhancement in HSV Space Using Nonlinear Transfer Function and Neighborhood Dependent Approach with Preserving Details. , 2010, , .		14
23	Automatic music genre classification using timbral texture and rhythmic content features. , 2015, , .		13
24	Fingerprint Matching Using Global Minutiae and Invariant Moments. , 2008, , .		12
25	Facial expression recognition based on region specific appearance and geometric features. , 2015, , .		12
26	Robust detection system of illegal lane changes based on tracking of feature points. IET Intelligent Transport Systems, 2013, 7, 20-27.	3.0	10
27	Histogram of Orientation Gradient Feature-Based Facial Expression Classification Using Bagging with Extreme Learning Machine. Advanced Science Letters, 2012, 17, 156-161.	0.2	9
28	Development of AI-Based Diagnostic Model for the Prediction of Hydrate in Gas Pipeline. Energies, 2021, 14, 2313.	3.1	8
29	Music video emotion classification using slow–fast audio–video network and unsupervised feature representation. Scientific Reports, 2021, 11, 19834.	3.3	8
30	Online sequential extreme learning machine-based co-training for dynamic moving cast shadow detection. Multimedia Tools and Applications, 2016, 75, 11181-11197.	3.9	7
31	Sound Event Detection in Cowshed using Synthetic Data and Convolutional Neural Network. , 2020, , .		7
32	Generalized extreme learning machine acting on a metric space. Soft Computing, 2012, 16, 1503-1514.	3.6	6
33	Emotional Evaluation of Color Patterns Based on Rough Sets. , 2007, , .		5
34	Evaluation of different audio features for musical genre classification. , 2013, , .		5
35	HSIGAN: A Conditional Hyperspectral Image Synthesis Method With Auxiliary Classifier. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3330-3344.	4.9	5
36	Offline mobile diagnosis system for citrus pests and diseases using deep compression neural network. IET Computer Vision, 2020, 14, 370-377.	2.0	5

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37	Object tracking in MPEG compressed video using mean-shift algorithm. , 0, , .		4
38	A Lighting Insensitive Face Detection Method on Color Images. , 2012, , .		4
39	Hybrid Filter Based on Neural Networks for Removing Quantum Noise in Low-Dose Medical X-ray CT Images. International Journal of Fuzzy Logic and Intelligent Systems, 2015, 15, 102-110.	1.1	4
40	Implementation of Virtual Reality Model for Offshore Gas Field Platform and Evaluation of Gas Hydrate Formation for Subsea Production Pipeline using AI. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 150-160.	0.4	3
41	Multi-modal, Multi-task and Multi-label for Music Genre Classification and Emotion Regression. , 2021, , .		3
42	Detecting Pine Trees Damaged by Wilt Disease Using Deep Learning Techniques Applied to Multi-Spectral Images. IEEE Access, 2022, 10, 39108-39118.	4.2	3
43	Propagation Of Uncertainty Using Neural Networks. Proceedings of SPIE, 1989, 1002, 377.	0.8	2
44	A Real-Time System for Detecting Illegal Changes-of-Lane Based on Tracking of Feature Points. , 2010, , .		1
45	Development of the 3D volumetric micro-CT scanner for preclinical animals. 3D Research, 2011, 2, 1.	1.8	1
46	Automatic facial expression recognition based on features extracted from tracking of facial landmarks. , 2014, , .		1
47	Nearest multi-prototype based music mood classification. , 2015, , .		1
48	Analysis of Camera Operations in MPEG Compressed Domain Based on Generalized Hough Transform. Lecture Notes in Computer Science, 2001, , 1102-1107.	1.3	1
49	An Incremental Learning for Plant Disease classification. , 2021, , .		1
50	Color image segmentation using a possibilistic approach. , 0, , .		0
51	Analysis of biom&#x00E9;dical textured images with application of synchronized oscillator-based CNN. , 2010, , .		0
52	Estimates of learning rates of regularized regression via polyline functions. Mathematical Methods in the Applied Sciences, 2012, 35, 174-181.	2.3	0
53	Learning Rates for Regularized Classifiers Using Trigonometric Polynomial Kernels. Neural Processing Letters, 2012, 35, 265-281.	3.2	0
54	Rough clustering of Korean foods based on adjectives for taste evaluation. , 2013, , .		0

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55	A local technique for contrast preserving medical image enhancement. Proceedings of SPIE, 2014, , .	0.8	0